

WHAT IS CLAIMED IS:

1. A wafer box, comprising:
  - a wafer box main body for carrying at least one wafer; and
  - a handle device, comprising:
    - a holding element having a holding portion being evenly and securely held by an operator with digits thereof so as to transport said wafer box; and
    - a connecting component for connecting said wafer box main body to said handle device and comprising:
      - an engaging portion for being engaged with said wafer box main body;
      - a positioning portion for positioning said connecting device on said wafer box main body; and
      - an urging portion for urging against said wafer box main body.
2. The wafer box according to claim 1, wherein said wafer box main body further comprises a first placing portion and a second placing portion, and said engaging portion and said positioning portion are wedged respectively into said first and second placing portions.
3. The wafer box according to claim 1, wherein said wafer box is a front opening shipping box (FOSB), and said holding element is a bar portion.
4. The wafer box according to claim 1, wherein said holding portion of said handle device is connected to said wafer box main body in a horizontal direction for facilitating a transportation in a vertical direction, and a longitudinal direction of said holding portion is parallel to said horizontal direction.
5. The wafer box according to claim 4, wherein said engaging portion and said positioning portion of said connecting component have a first contacting

point and a second contacting point respectively so as to be connected to a first contacted portion and a second contacted portion of said wafer box main body.

6. The wafer box according to claim 1, wherein said holding portion of said handle device is connected to said wafer box main body in a vertical direction for facilitating a transportation in a horizontal direction, and a longitudinal direction of said holding portion is perpendicular to said vertical direction.

7. The wafer box according to claim 1, wherein said positioning portion of said connecting component has a horizontal contact point so as to be connected to a horizontal contact portion of said wafer box main body.

8. The wafer box according to claim 1, said urging portion has a third contacting point for being connected to a third contacted portion of said wafer box main body.

9. The wafer box according to claim 1, wherein said engaging portion has a pillar for connecting said engaging portion to said connecting component so as to form a gap-connecting portion for being engaged with an edge of said wafer box main body.

10. The wafer box according to claim 9, wherein said engaging portion is placed between said edge of said wafer box main body and said wafer box main body through said pillar so that said connecting component is mounted on said wafer box main body.

11. The wafer box according to claim 10, wherein said edge has a gradually increased thickness for enhancing said connecting component to be mounted on said wafer box main body.

12. The wafer box according to claim 9, wherein said engaging portion has a tapering column mounted on said pillar and forms together with said connecting component and said pillar said gap-connecting portion.

13. The wafer box according to claim 1, wherein said positioning portion and said urging portion of said connecting component respectively have a circular shape.

14. A handle device, comprising:

a connecting component connected to an object, comprising:

an engaging portion for being engaged with said object;

a positioning portion for positioning said connecting component on said object; and

a holding element mounted on said connecting component and having a holding portion being evenly and securely held by an operator with four digits thereof so as to transport said object.

15. A handle device according to claim 14, wherein said object is a wafer box main body.

16. A handle device according to claim 14, wherein said connecting component further comprises an urging portion for urging said object.